FULL HD 3D HOME PROJECTORS
EH-TW6100/TW8100

EPSON
EXCEED YOUR VISION

MAJESTIC HOME VIEWING EXPERIENCE WITH THE BRIGHTEST FULL HD 3D PROJECTORS.

Indulge in a larger than life home viewing experience with Epson's new projectors that deliver your 3D films with the latest 3LCD and C²Fine™ Technology. Enjoy colourful and realistic images with the high brightness that these Full HD 3D projectors deliver. The EH-TW6100 comes with 2,300 lumens while the EH-TW8100 comes with 2,400 lumens.

EH-TW6100

EH-TW8100

High Brightness | 3D Glasses | 2 x HDMI | 1080p (Full HD resolution) | Split Screen

Brighter Than Ever
Enjoy vivid and bright images with high Colour Light Output and Lamp Boost Technology that increase the brightness by up to 15% in comparison to previous Epson models.

Flexible Conversion from 2D to 3D
Easily convert 2D movies and TV shows for a fully immersive 3D experience, complete with depth control.

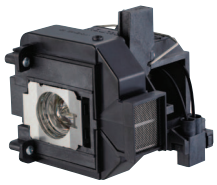
Lighter RF 3D Glasses
Make your home Full HD 3D movie experiences truly convenient and comfortable with the lighter Radio Frequency (RF) 3D glasses.

3D | World's No.1 Projectors 10 Years Running 2001-2010 | 3LCD | FULL HD 3D RF GLASSES

FULL HD 3D HOME PROJECTORS
EH-TW6100/TW8100

Enhance your entertainment experience with the new line of Full HD 3D home projectors from Epson. With features like Lamp Boost Technology and flexible 2D-3D conversion, these home projectors let you watch your favourite TV shows and movies in 3D anytime of the day from the comfort of your home.

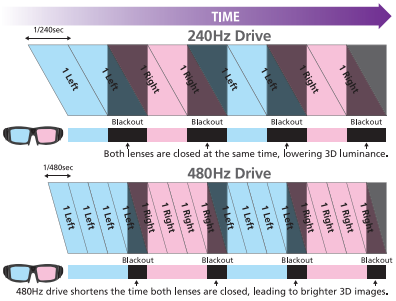
Brighter than Ever



The brightest of all Full HD 3D projectors in the market, the latest series of projectors utilise a new Lamp Boost Technology. It makes 3D images brighter by up to 15% at 2,300 lumens for EH-TW6100 and 2,400 lumens for EH-TW8100, letting you enjoy bright and clear images on large screens even with substantial ambient lighting.

Less brightness with ambient light — Full HD 3D home projectors with ambient light

These Full HD 3D home projectors also have a high frame refresh rate of 480Hz that is twice as fast as other 3D projectors. This minimises the "blackout time" of the projectors when 3D images are transitioning from frame to frame, giving you the smoothest 3D movie experience from the comfort of your home.



Flexible Conversion from 2D to 3D

Now you can enjoy 3D movies using 2D videos. These projectors feature a unique 2D-3D conversion function that adjusts image depth to three levels, according to your preference. Enter the screen size and readjust it manually through the projector menu if the end result is too light or strong and immerse in an engaging movie experience at your command.

2D — 2D to 3D

Lighter RF 3D Glasses

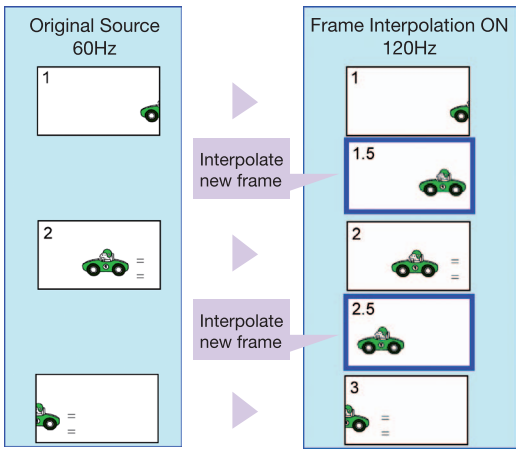
The perfect accompaniment for your home viewing experience, the RF 3D glasses run on Radio Frequency, allowing more flexible mobility of up to 10 metres radius from the projector. Maintenance is minimum with these glasses as they can be used up to 40 hours with 50 minutes power-charged.

FULL HD 3D RF GLASSES

EH-TW8100

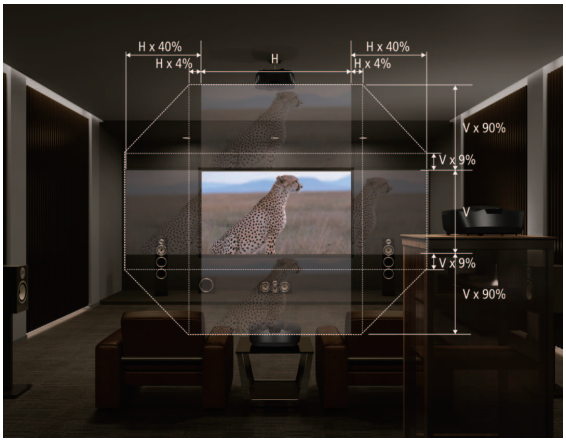
Reduce Motion Blur

Now, you can enjoy clearer, sharper playback with Epson's Frame Interpolation Technology. This feature effectively suppresses blurring by inserting new frames between original ones to create smoother motion transition.



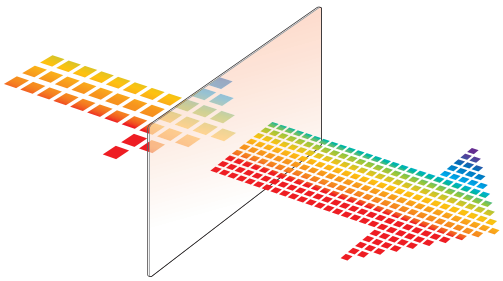
Flexible Installation With Optical Lens Shift

The wide lens shift range of EH-TW8100 provides exceptional installation flexibility. A short focal length as little as 298cm is possible with a 100-inch screen. A broad shift range of 96% vertically and 47% horizontally with the optical lens shift function also keeps image deterioration low, allowing you to position your projector at any point in the room.



Cinema Filter

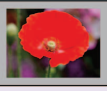
The Epson Cinema Filter extracts very pure hues of the three primary colours from the lamp light to produce a wide colour gamut, enabling unbeatable colour reproduction and quality while maintaining the high contrast ratios that are difficult to achieve with electronic colour-correction.



EH-TW6100

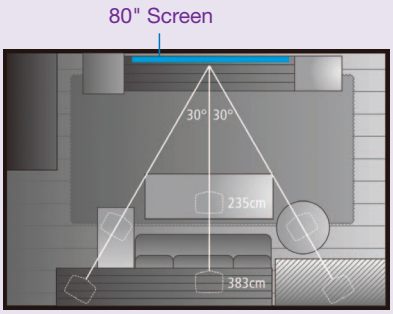
Achieve Optimised Colour Quality

The Auto Colour Optimiser (set to Auto Colour Mode) optimises and automatically adjusts brightness and colour to ambient light conditions. This achieves best-quality images for your movies without the need to totally darken the room.

Brightness	Usage Environment		Transition
	Images	Description	
300 - lx		Daylight viewing	
100 - 300 lx		Daylight viewing with ambient light	
30 - 100 lx		Night-time viewing with ambient light	
0 - 30 lx		Night-time viewing without any light	

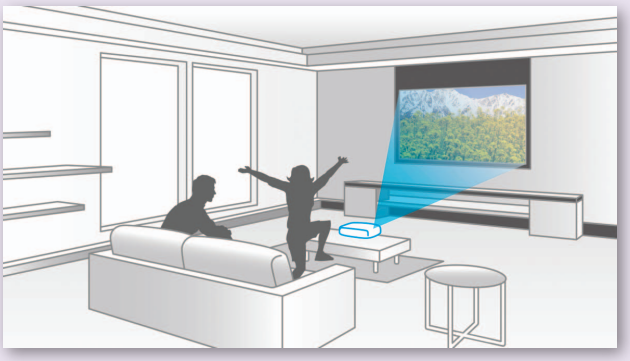
Perfect Videos With Ease

The easy-to-use sliding Horizontal Keystone Button carries out screen corrections quickly, easily and accurately. The automatic vertical keystone detection and adjustment feature detects the projector vertical keystone distortion and corrects it instantly, eliminating time-consuming manual adjustments.



PC-Free Photo Viewing Ability

Share priceless memories with friends and family from the comfort of your home. Enjoy slideshow presentations of images stored in a flash drive on the big screen any time, without connecting to a PC.



High Contrast Image Quality

With Epson's proprietary C²Fine™ (Crystal Clear Fine) Technology and inorganic LCD panels with Vertical Alignment (VA) technology, this 3D projector series features high-contrast and flawless image quality for all your movies. The optical phase control technology minimises polarised light leakage and increases contrast ratio to deliver dramatically enhanced image definition and quality for a thrilling home cinema experience.

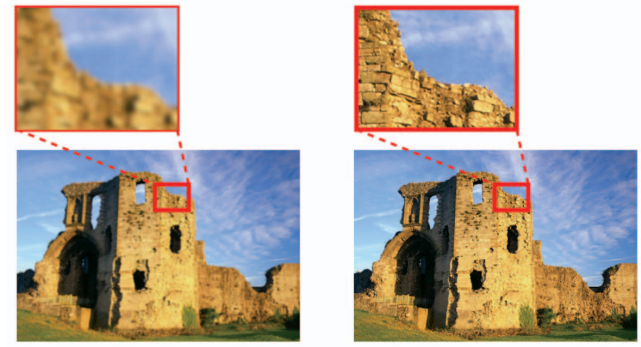
Low contrast image

High contrast image

* Simulated image

Super-Resolution Technology

Super-resolution technology uses mixed colour separation to improve the resolution of images that become blurry when enlarged, making them smooth and sharp.



Without Super-resolution

With Super-resolution

Double the View With Split-Screen

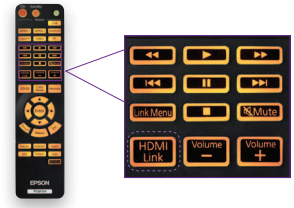
The versatility of the split-screen feature enables dual display of your selected TV show, movies or games concurrently. Now, you will never miss that important scene again.

Sports

Movies

Manage Your Home Entertainment System with Ease

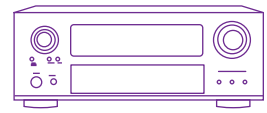
HDMI Link allows you to control the projector, AV amplifier and player at the same time with just a single remote control. The remote control also features a backlight for controlling the devices even in a dark room.



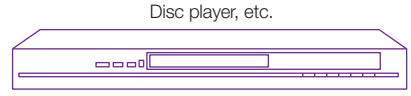
HDMI connection

HDMI connection

AV amplifier



Disc player, etc.



Compact Space for Ventilation Clearance

Air intake and exhaust at the front of the projector means you can install these projectors even in narrow spaces. Place them on a bookshelf or close to walls without worrying about maintaining clearance for ventilation.

Eco Features

- Uses just 0.35W/0.39W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

Better Products for a Better Future™

For more information on Epson's environmental programme, visit **http://global.epson.com/SR/environment**.

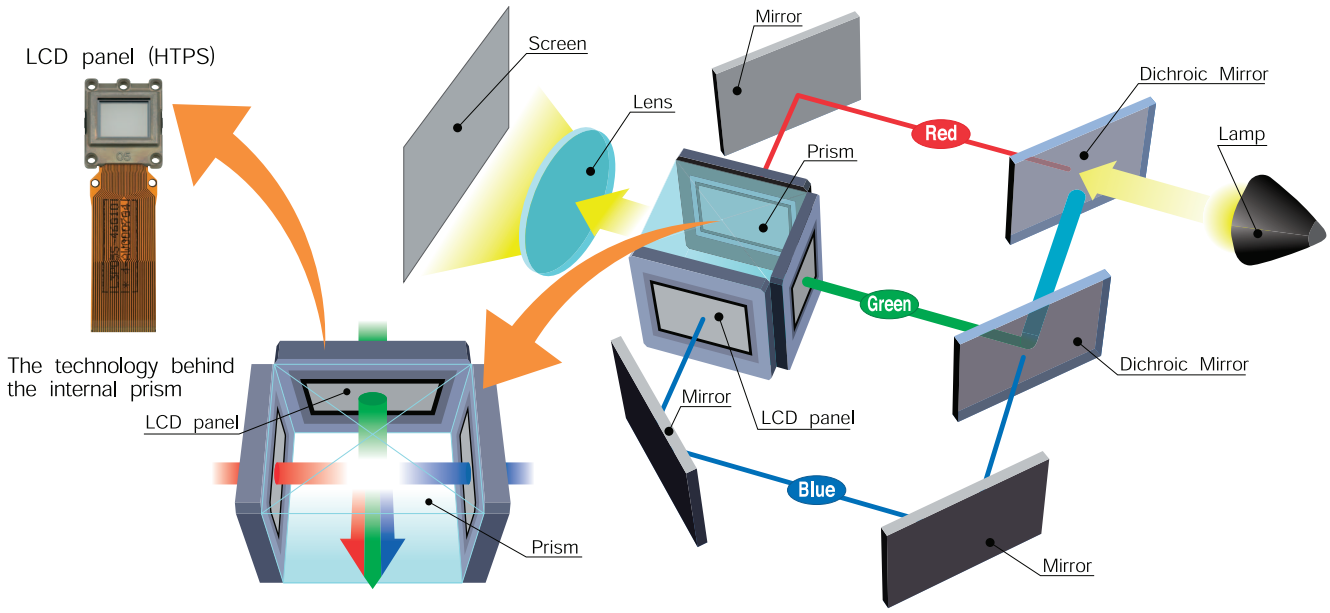
EPSON 3LCD TECHNOLOGY – FOR BRIGHT, FAITHFUL COLOURS

3LCD projectors offer brighter and more accurate colours as they produce different shades and hues by filtering, then mixing beams of the three primary colours (red, green and blue).

In a 3LCD projector, white light is first split into the three beams of primary colours. Each beam is then filtered through its own LCD that will give each individual pixel of the image its exact brightness for each colour. The colour beams are then perfectly recombined in a prism before being projected out as a complete image.

This compares to projectors using single-chip technology that actually project individual colours sequentially by filtering their single white light beam through a colour wheel, and then relying on human colour perception to combine the colours in the viewers' minds.

As a result, 3LCD projectors also offer greater detail, smoother gradations, no "colour breakup" effect, are easier on viewers' eyes, and consumer about 25% less power to achieve the same brightness compared to a single-chip projector using a lamp of the same wattage.



3LCD projector : RGB are projected at the same time, which makes the single composite image easy on the eyes.

- An independent test by projector review media ProjectorCentral.com in 2009 of about 800 projectors found that on average, 3LCD projectors use 25% less power than single-chip projectors.

www.3lcd.com

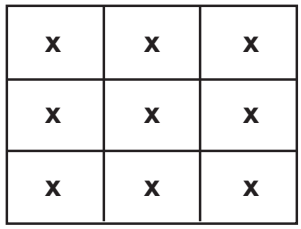
COLOUR LIGHT OUTPUT – TRUE COLOURS SHINING THROUGH

The Brightness Myth

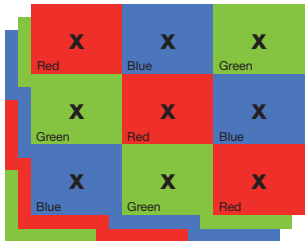
Did you know that the brightness specification (in lumens) for projectors is only a measurement of its white light output?

In fact, many manufacturers artificially boost their projectors' brightness rating by increasing their white light production capability at the expense of colour brightness.

How is Colour Light Output measured?



Brightness (or White Light Output) measures the total amount of white light projected in lumens on a nine point grid. It does not measure colour.

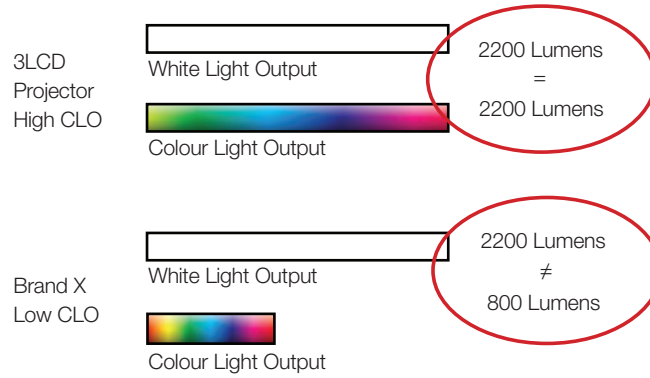


Colour Light Output uses 3 sets of a nine-point grid to measure the primary colours - red, green and blue, using the same approach used to measure White Light Output in lumens.

CLO to Enlighten

To help buyers make better-educated decisions, colour scientists at the U.S. government's National Institute of Standards and Technology (NIST – www.nist.gov) have developed Colour Light Output (CLO) as a specification to provide critical information on a projector's ability to deliver colour.

Colour Light Output is critically important because it measures the brightness of Red, Green and Blue. In a 3LCD projector, these primary colours create white when combined in the right proportions. Beautifully balanced colour is possible when Red, Green and Blue combine to produce the exact colours required. Colour Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.



www.colorlightoutput.com

SPECIFICATIONS
EH-TW6100/TW8100

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MODEL NUMBER		EH-TW6100	EH-TW8100
Projection Technology		RGB liquid crystal shutter projection system (3LCD)	
Specification of Main Parts			
LCD	Size	0.61" wide panel with MLA (D9, C²Fine, 12 bit)	0.74" wide panel with MLA (D9, C²Fine, 12 bit, OD)
	Native Resolution	1080p (1920 x 1080)	
Projection Lens	Type	Optical Zoom (Manual) / Focus (Manual)	
	F-Number	1.51 - 1.99	2.0 - 3.17
	Focal Length	18.2mm - 29.2mm	22.5mm - 47.2mm
	Zoom Ratio	1 - 1.6	1 - 2.1
	Throw Ratio	1.32 - 2.15 (Wide -Tele)	1.34 - 2.87 (Wide - Tele)
Lens Shift	Mode	N.A.	Manual
	Vertical (Up/Down)	N.A.	±96.3% (H Center, Manual)
	Horizontal (Left/Right)	N.A.	±47.1% (V Center, Manual)
Lamp	Type	230W UHE	
	Life (Normal/Eco)*1	4,000 hours/5,000 hours	
Screen Size (Projected Distance)			
Zoom Wide		30" to 300" [0.87 to 8.9m]	30" to 300" [0.87 to 9.03m]
Zoom Tele		30" to 300" [1.42 to 14.5m]	30" to 300" [1.88 to 19.15m]
Brightness*2			
White Light Output (Normal)		2,300lm	2,400lm
Colour Light Output (Normal)		2,300lm	2,400lm
Contrast Ratio			
Auto Iris: On		40,000:1	320,000:1
Video Quality		Interlace-Progressive conversion, 3D Y/C separation, Noise reduction	
Supported Video Signal		480i / 576i / 480p / 576p / 720p / 1080i / 1080p NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM	
Colour Mode		Auto, Dynamic, Living room, Natural, Cinema, 3D Dynamic, 3D Cinema	Dynamic, Living room, Natural, Cinema, 3D Dynamic, 3D Cinema
Internal Speaker(s)			
Sound Output		10W x 2	N.A.
Keystone Correction			
Vertical		±30°	
Horizontal		±30° (Slider Bar)	N.A.
Auto Keystone Correction		Yes	N.A.
Connectivity			
Analog Input	D-sub 15pin	1 (Blue)	
Video Input	Component	RCA x 3 (Red/Green/Blue)	
	Composite	RCA x 1 (Yellow)	
Digital Input	HDMI	2 (HDCP Supported)	
	HDMI (Wireless)	No	
Audio Input	RCA (White/Red)	1	N.A.
Others	USB Type A	1 (USB Memory)	N.A.
	USB Type B	1 mini-USB (For service only)	
Control I/O	RS-232C	D-sub 9pin x 1	
	Trigger-Out (12V)	N.A.	3.5mm mini-jack x 1
Adjustment Functions			
Six Axis Colour Adjustment		Hue / Saturation / Brightness for each of RGBCMY are adjustable	
Frame Interpolation		N.A.	High / Normal / Low / Off (2D Mode only)
Super Resolution		0 / 1 / 2 / 3 / 4 / 5	
Aspect Mode		Auto / Normal / Full / Zoom / Wide	
3D Features			
3D Display		On / Off	
2D - 3D Conversion		Off / Weak / Medium / Strong	
3D Format		Auto / Side by Side / Top & Bottom / 2D	
3D Depth		±10 The default value of 3D depth can be automatically set when a user enters the screen size.	
Operating Temperature		5 °C to 35 °C <41 °F to 95 °F>	
Operating Altitude		0m to 2,286m <0ft to 7500ft>	
Direct Power On/Off		Yes / N.A.	
Start-Up Period		23 seconds Warm-up period: 30 seconds	20 seconds Warm-up period: 30 seconds
Cool Down Period		5 seconds	16 seconds
Power Supply Voltage		100 - 240 V AC ±10%, 50/60 Hz	
Power Consumption (220-240V)			
Lamp On (Normal/Eco)		358W / 274W	340W / 278W
Standby (HDMI Link On/Off)		0.35W / 0.35W	0.39W / 0.39W
Dimension Excluding Feet (W x H x D)		420mm x 137.3mm x 365mm	466mm x 140mm x 395mm
Weight		6.0kg	8.4kg
Fan Noise		24dB	22dB

*1 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

*2 Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

Supplied accessories

Power Cable: 3m, 3 Wire (Black)

Remote Control: Compact Type

Cable Clamp/Lock: HDMI Clamp x 2

User's Manual Set

Optional accessories

3D Glasses (RF Type): ELPGS03

3D Glasses Charger: ELPAC01

Spare Lamp: ELPLP68 (EH-TW6100 only), ELPLP69 (EH-TW8100 only)

Air Filter: ELPAF38 (EH-TW6100 only), ELPAF39 (EH-TW8100 only)

Cable Cover: ELPCC04W-White (EH-TW8100 only)

EH-TW6100

EH-TW8100

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